

Quick Reference Card

CardioChek™  P.A

Running a test

1. Switch on the instrument by pressing one of the two buttons. (Enter – Next)
Settings are displayed.



Make sure the display reads:
INSTALL MEMO-Chip.
The MEMO-Chip should be
installed with the finger notch
facing up.
Push firmly but gently, until the
MEMO-Chip is fully inserted.
Be careful not to bend the
connector.



2. Perform a fingerprick.
Collect the blood with a Mini Pipet or with a
Capillary Tube & Plunger.



3. The display reads: INSERT STRIP.
Insert the strip as far as it will go.



4. The display reads: APPLY-SAMPLE.
Apply the blood from the Mini Pipet or
the Capillary Tube & Plunger to the white
reaction area on the test strip.
After a few seconds the display reads:
TESTING.



5. Wait for the test to be completed
and read the results.
For Lipid Panel strips:

Press the NEXT button to switch to the
other results: TC, (press 'Next')
HDL-C, ('Next') TRIG, ('Next') calc.
LDL-C, ('Next') TC/HDL-C.



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Important: for an accurate test, follow this procedure meticulously.

The instructions may differ slightly from what you have learned so far in your professional career.

This procedure is developed by EuroMedix in cooperation with the manufacturer.

Item	Important performance	Remarks
1. Batteries	Use 2 AAA 1.5 Volt alkaline batteries. Introduce them in the proper way.	If needed, introduce new (full) batteries. Do not use rechargeable batteries.
2. MEMo-Chip	Introduce the MEMo-Chip with the text facing down.	Never store the MEMo-Chip inside the test strip vial.
3. Check Strip	Switch on the device. Clean the optic window with alcohol and dry properly with a gauze, absorbent cotton or zellet. Perform the Check Strip checking (see manual under "checking the system"). Only when "Passed" message is given, the device may be used.	If the device is frequently used, please clean the optic window at least once a day. Pass the check strip procedure every time when opening a new vial of test strips (see manual).
4. Lot number	Check the lot number of the test strips. the lot number must correspond to the lot number of the MEMo-Chip.	
5. Expiry date	Check the expiry date of the test strips. Do not use after expiry date has passed.	
6. Defat	Remove the skin fat from the finger properly with an alcohol patch. Wiping the finger once is not enough. You may use ether.	Do not drop any alcohol or ether on the test strips.
7. Drying	Dry the finger with an absorbent cotton or gauze (not needed in case of ether). Again, wiping the finger once is not enough.	
8. Waiting	Wait 5 seconds to allow the last bit of alcohol do air-dry	
9. Lancets	Exclusively use the Unistik-3 lancets.	
10. Pricking	Pricking on the side of the finger preferred (middle finger or ring finger). Push the lancet firmly on the finger and then squeeze gently.	Hands need to be warm and relaxed (warm them up in water if necessary). Alternatively the patient can let his hands hang down for several minutes Before the finger prick is performed.
11. 1st drop	Wipe the first drop of blood (not applicable for glucose test) with an absorbent cotton or gauze. Use only the second drop for the test.	The first drop is diluted, which causes a diluted blood sample and therefore falsified results.
12. Collecting	Collect blood, using the right capillary tube. Hold the tube horizontally or slightly inclined against the drop. CAUTION: DO NOT SQUEEZE THE FINGER and collect the amount of blood needed within 2 minutes.	Avoid air bubbles and deficient filling. Avoid direct contact between the capillary tube and the finger. Use 40 µL capillary tubes for Lipid Panel.
13. Vial	Take one test strip out of the vial and close the vial immediately. Put the test strip into the device. Moisture and light may influence the test strip quality negatively. Therefore empty the capillary tube within as quickly as possibly onto the test strip, preferably within 30 seconds.	Do not touch the reaction zone of the test strip. Do not use strips with reaction windows that are not bright white.
14. Process	Empty the capillary tube onto the strip, using the last hanging drop as well.	Capillary tube may not touch the test strip.
15. Measurement	Push the left button to start the measurement.	Do not move the device during the measurement.
16. Checking	Check the colouring on the back of the strip.	The upper 2 zones should be coloured even. If not, retest.
17. Friedewald	The Friedewald formula only calculates a LDL value when the Triglycerides are between 45 and 400 mg/dl (0.5 and 4.5 mMol/L). If the Triglycerides value is outside this range, there will be no calculated LDL value. The same happens when the TC or HDL value is outside its measuring range.	Friedewald formula: $LDL = TC - HDL - (TRG/2.2) \text{ (mmol/L)}$ $LDL = TC - HDL - (TRG/5.0) \text{ (mg/dL)}$